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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/973,740	10/11/2001	Chia-Li Chen	LIUW3003/EM/7298	7159

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EXAMINER

KNAPP, JUSTIN R

ART UNIT	PAPER NUMBER
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2182

DATE MAILED: 04/20/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/973,740

Applicant(s)

CHEN ET AL.

Examiner

Justin Knapp

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 04 February 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

**DETAILED ACTION**

***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-6 are rejected under 35 U.S.C. 102(e) as being unpatentable over Battaglia, et al (herein referred to as Battaglia), USPN 6,658,202.

3. Referring to claim 1, Battaglia teaches wherein:

said main body has a receiving chamber to receive said reading disk, silicon disk insertion cassette, circuit board, applied chip sets, and microprocessing unit, and is provided on the surface thereof with an insertion slot for a compact disk and a silicon disk insertion slot, so that said reading disk for reading compact disks and said silicon disk insertion cassette are placed into corresponding positions in said main body; and said compact disk as well as said silicon disk are placed respectively into said reading disk for compact disks and said silicon disk insertion cassette (see figure 1, elements 24, 27, and 20);

said circuit board (figure 1, element 28) is provided in the receiving space of said main body, said applied chip sets and said microprocessing unit are provided thereon; and said transmission interface is connected at the rear of said main body, and wherein said transmission-exchange device has two modes of operation:

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- i) an independent mode, in which by operation of said circuit plate, said chip sets and said microprocessing unit, direct data exchange between said compact disk and said silicon disk is executed; and
- ii) a host computer connection mode in which, when said transmission interface is connected with a host computer, data exchange and reading/writing among a hard disk of said host computer, said compact disk and said silicon disk is performed (see column 7, lines 50-60).

In his exemplary embodiment, Battaglia teaches a hard drive as the mass storage device that is capable of performing data exchange with a variety of supported silicon disks. Battaglia does not explicitly teach the use of a compact disk drive. However, Battaglia indicates that mass storage may also be a removable hard drive or other mass memory media which is commercially available. Battaglia also mentions the mass storage device is coupled to control logic via an ATA/IDE bus or a PCMCIA (column 5, lines 52-60). It would have been obvious to one of ordinary skill in the art at the time the invention was made to use a compact disk drive as the mass storage device. One would have been motivated to do this as one would recognize that a compact disk is another form of mass memory storage that is easily transportable and a compact disk drive would easily be implemented using the ATA/IDE bus and control logic in the system of Battaglia.

4. Referring to claim 2, Battaglia teaches wherein said silicon disk insertion cassette meets several sizes of specifications for memory cards selected from the group consisting of CF, PCMCIA (PC card), SMC, MMC, MS, or SD memory cards (see column 4, lines 1-10).

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5. Referring to claim 3, Battaglia does not explicitly teach wherein said reading disk for reading compact disks functions as a read only CD-ROM player, a read and write CD-ROM player and a Combo player but would be obvious to implement as taught supra.

6. Referring to claim 4, Battaglia teaches wherein said transmission interface is a USB interface, a 1394 interface or an IDE/ATAPI interface (see column 5, line 52 through column 6, line 15).

7. Referring to claim 5, Battaglia teaches wherein said main body is provided with a power supplying unit to supply power for operation, said main body also being provided on external surfaces thereof with operating units to enable a user to control the device for independent operation (see figure 1, element 26).

8. Referring to claim 6, Battaglia teaches wherein said power supplying unit is a power line or a storage battery (see figure 1, element 26).

### *Conclusion*

9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Applicant is reminded that in amending in response to a rejection of claims, the patentable novelty must be clearly shown in view of the state of the art disclosed by the references cited and the objections made. Applicant must also show how the amendments avoid such references and objections.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Justin Knapp whose telephone number is (703) 308-6132. The examiner can normally be reached on Mon - Fri 9 am - 5:30 pm.


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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey Gaffin can be reached on (703) 308-3301. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Justin Knapp  
Examiner  
Art Unit 2182

April 16, 2004

  
JEFFREY GAFFIN  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100